

Title (en)
Energy-induced dual curable compositions.

Title (de)
Strahlenhärtbare Dual-Zusammensetzung.

Title (fr)
Composition binaire à durcissement induit par de l'énergie.

Publication
EP 0306162 B1 19951018 (EN)

Application
EP 88307427 A 19880811

Priority
US 9069487 A 19870828

Abstract (en)
[origin: EP0306162A2] An energy polymerizable composition comprises at least one ethylenically-unsaturated monomer, one of polyurethane precursors, and at least one epoxy monomer, and a curing agent comprising an organometallic compound, and an onium salt.

IPC 1-7
C08F 4/44; **C08F 2/50**; **C08G 65/12**; **C08G 59/68**; **C08G 18/16**; **C08G 18/22**; **G03F 7/00**; **C08F 283/00**

IPC 8 full level
C08G 18/58 (2006.01); **C08F 2/50** (2006.01); **C08F 4/42** (2006.01); **C08F 4/44** (2006.01); **C08G 18/16** (2006.01); **C08G 18/22** (2006.01); **C08G 18/63** (2006.01); **C08G 59/34** (2006.01); **C08G 59/68** (2006.01); **C08G 65/12** (2006.01); **C08L 63/00** (2006.01); **C08L 75/04** (2006.01); **C09D 175/00** (2006.01); **C09J 175/00** (2006.01)

CPC (source: EP KR US)
C08F 2/50 (2013.01 - EP KR US); **C08F 4/44** (2013.01 - EP KR US); **C08G 18/16** (2013.01 - KR); **C08G 18/161** (2013.01 - EP US); **C08G 18/22** (2013.01 - EP US); **C08G 18/58** (2013.01 - KR); **C08G 18/637** (2013.01 - EP US); **C08G 59/68** (2013.01 - EP US); **C08G 65/12** (2013.01 - EP US); **Y10S 428/90** (2013.01 - EP US); **Y10S 428/901** (2013.01 - EP US); **Y10S 428/928** (2013.01 - EP US); **Y10S 428/932** (2013.01 - EP US); **Y10S 430/115** (2013.01 - EP US); **Y10S 430/122** (2013.01 - EP US); **Y10S 430/124** (2013.01 - EP US); **Y10T 428/24372** (2015.01 - EP US); **Y10T 428/24802** (2015.01 - EP US); **Y10T 428/24835** (2015.01 - EP US); **Y10T 428/24893** (2015.01 - EP US); **Y10T 428/24917** (2015.01 - EP US)

Cited by
US5784197A; US5910858A; EP0421512A1; DE19534664A1; EP0444956A3; EP0476822A3; US5863847A; US5922784A; US5435816A; US5882796A; US5754338A; US5591527A; US5743981A; EP0342064A3; US5744557A; US5863664A; US5342419A; US5518512A; US5700302A; US5855632A; US5549962A; US5470368A; US5496387A; USRE35709E; WO9429358A1; WO9319108A1; WO2008024647A1; US7424176B2; US6582487B2; US6565969B1; WO2016160396A1; US10518512B2; WO2014078195A1; US10947396B2; US7368524B2; US7300479B2; US6475253B2; US7713604B2; US8057281B2; US6923840B2; US6929539B2; US8758089B2; US10836939B2; WO2015179335A1; US10183379B2; US7267700B2; US6605128B2; US10106643B2

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0306162 A2 19890308; **EP 0306162 A3 19910123**; **EP 0306162 B1 19951018**; AU 2027688 A 19890302; AU 608636 B2 19910411; CA 1333949 C 19950110; DE 3854597 D1 19951123; DE 3854597 T2 19960605; ES 2078218 T3 19951216; JP 2695856 B2 19980114; JP S6470517 A 19890316; KR 890003858 A 19890418; KR 960012436 B1 19960920; US 4950696 A 19900821; US 5326621 A 19940705; US 5376428 A 19941227; ZA 885664 B 19900425

DOCDB simple family (application)
EP 88307427 A 19880811; AU 2027688 A 19880801; CA 574919 A 19880817; DE 3854597 T 19880811; ES 88307427 T 19880811; JP 21230488 A 19880826; KR 880010961 A 19880827; US 21527194 A 19940321; US 9069487 A 19870828; US 93208392 A 19920819; ZA 885664 A 19880802